

CLAIM AMENDMENTS

Sub 17

1 1. (Original) A sand screen for use in production of hydrocarbons from wells,
2 comprising an intelligent completions device disposed in the sand screen.

1 2. (Original) The sand screen of claim 1, wherein the intelligent completions device
2 comprises a sensor.

1 3. (Original) The sand screen of claim 1, wherein the intelligent completions device
2 comprises a temperature sensor.

1 4. (Original) The sand screen of claim 1, wherein the intelligent completions device
2 comprises a pressure sensor.

1 5. (Original) The sand screen of claim 1, wherein the intelligent completions device
2 comprises a flow rate measurement device.

1 6. (Original) The sand screen of claim 1, wherein the intelligent completions device
2 comprises a oil/water/gas ratio measurement device.

1 7. (Original) The sand screen of claim 1, wherein the intelligent completions device
2 comprises a scale detector.

1 8. (Original) The sand screen of claim 1, wherein the intelligent completions device
2 comprises a sand detection device.

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9. (Original) A gravel pack system, comprising:
a sand screen; and
an intelligent completions device disposed within the sand screen.

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10. (Original) The gravel pack system of claim 9, wherein the intelligent completions device comprises a sensor.

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11. (Original) The gravel pack system of claim 9, wherein the intelligent completions device comprises a temperature sensor.

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12. (Original) The gravel pack system of claim 9, wherein the intelligent completions device comprises a pressure sensor.

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13. (Original) The gravel pack system of claim 9, wherein the intelligent completions device is selected from a flow rate measurement device, an oil/water/gas ratio measurement device, a scale detector, and a sand detection device.

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14. (Original) The gravel pack system of claim 9, further comprising a fiber optic cable.

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15. (Original) The gravel pack system of claim 9, further comprising a control line connected to the intelligent completions device.

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16. (Original) The gravel pack system of claim 15, wherein the control line is selected from an electric line and a fiber optic line.

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17. (Original) The gravel pack system of claim 9, further comprising a control line extending from the surface to the intelligent completions device.

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1 18. (Original) A method for placing a gravel pack around a completion, comprising:
2 gathering data from an intelligent completions device disposed in a sand screen of
3 the completion; and
4 flowing a gravel slurry into the assembly wherein a gravel is deposited between
5 the sand screen and a formation.

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1 19. (Original) The method of claim 18, wherein the intelligent completions device is a
2 sensor.

1 20. (Original) A method of monitoring a well characteristic of a well, comprising:
2 running a control line to an intelligent completions device disposed in a sand
3 screen;
4 running the sand screen into the well; and
5 sending a signal through the control line.

1 21. (Original) The method of claim 20, wherein the intelligent completions device is a
2 sensor.

1 22. (Cancelled)

1 23. (Cancelled)

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1 24. (Original) A method for gravel packing a well, comprising:
2 running a sand screen into a particular length of the well;
3 extending a fiber optic line into the particular length of the well; and
4 gravel packing the well.

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25. (Original) The method of claim 24, further comprising performing the running
step at substantially the same time as the extending step.

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26. (Original) The method of claim 24, further comprising performing the running
step before the extending step

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27. (New) A well completion, comprising:
a sand screen;

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an intelligent device disposed within the sand screen; and
a service string adapted to perform sand-control pumping and circulation
operations.

28. (New) The gravel pack system of claim 9, further comprising an assembly to
perform a gravel pack operation.

29. (New) The method of claim 20, further comprising performing sand-control
pumping and circulation operations.